

Experimental investigation of a...

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B102/B104

resonator(s), of the injection voltage and of the h-f power supplied to the resonator(s). Results: The prebuncher exerts a considerable effect on the operation of the accelerator. The experimental results agree with the theory. With  $\varphi = 20 - 40^\circ$ , the electron bunches emerging from the prebuncher coincide in the accelerator at the equilibrium phase; this yields minimum width of spectrum and maximum current. At a phase of the phase scanner of  $\varphi = -(80 - 120^\circ)$ , the beam enters the accelerator in the phase range of electromagnetic traveling waves rendering bad bunching conditions. A prebuncher, even with one resonator, raises  $I$  to  $3I$ , and reduces  $\Delta U$  to  $\Delta U/3 - \Delta U/4$ . Use of two resonators raises the current by several times, but operation conditions become more sensitive and their proper choice is complicated. There are 6 figures.

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Card 2/2

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E192/E382

9.3130

AUTHOR: Yakovlev, D.A.

TITLE: The optimum Chebyshev linearisation of electron velocity as a function of voltage

PERIODICAL: Izvestiya vysshikh uchebnykh zavedeniy,  
Radiotekhnika, v. 5, no. 1, 1962, 131 - 134

TEXT: The kinematic theory of velocity-modulated electron devices is based on the formula:

$$v = v_0 \left( 1 + \frac{U_1}{2U_0} M \sin \omega t \right) \quad (1)$$

where  $v$  is the electron velocity at the output of the high-frequency modulating gap,  
 $v_0$  is the mean electron velocity,  
 $U_1$  is the voltage amplitude across the modulating gap of the resonator,  
 $U$  is the accelerating voltage,

Card 1/4<sup>0</sup>

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The optimum Chebyshev ....

M is the electron-interaction coefficient,  
ω is the angular frequency of the modulating signal and  
t is time.

Eq. (1) is valid for small values of the modulation index  
 $\alpha = U_1/U_0$  and at comparatively large  $\alpha$  it results in  
significant errors in view of the fact that the electron  
velocity:

$$v = c \sqrt{1 - \frac{1}{\left[1 - \left(\frac{eU}{m_0 c^2}\right)^2\right]}} \quad (3)$$

is a nonlinear function of the accelerating voltage and the fact  
that Eq. (1) takes into account only the dependence of v on  
U at the point  $U_0$ . In Eq. (3) c is the velocity of light,  
e is the charge of an electron and  $m_0$  is its mass. A  
greater accuracy in Eq. (1) can be achieved if  $v = f(U)$  over  
Card 2/4

The optimum Chebyshev ....

S/142/62/005/001/011/012  
E192/E382

an interval from  $U_0 - U_1$  to  $U_0 + U_1$  is approximated by a straight line in the Chebyshev manner (see Fig. 1). The maximum deviation of  $v = f(U)$  from the straight line is  $\pm \delta$ . It is shown that this approximation leads to the following velocity-modulation formula:

$$v_{np} = v_{onp} \left( 1 + \frac{U_1 K(U_0, U_1) \cdot M}{K(U_0, U_1) \cdot U_0 + v(0)} \sin \omega t \right) \quad (19)$$

where  $K(U_0, U_1)$  is defined by:

$$\left. \frac{dv(U)}{dU} \right|_{U=U_0} = K(U_0, U_1) \quad (12)$$

and  $v(0)$  is indicated in Fig. 1. Eq. (19) gives higher accuracy even in the case of relativistic electron beams than Eq. (1) for non-relativistic electrons.

Card 3/4

The optimum Chebyshev ....

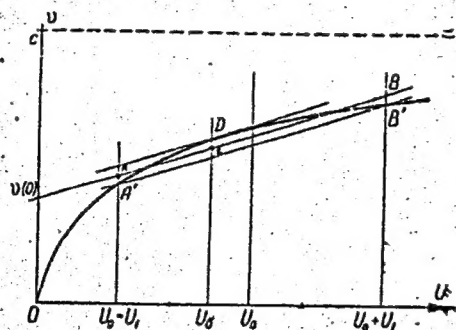
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There are 2 figures.

ASSOCIATION: Institut radiotekhniki i elektroniki AN SSSR  
(Institute of Radio-engineering and Electronics  
of the AS USSR)

SUBMITTED: April 5, 1961

Fig. 1:



Card 4/4

ALEKHIN, S.V., doktor tekhn. nauk, prof.; GROKHOL'SKIY, N.F.,  
kand. tekhn. nauk, dots.; ZOLOTNIKOV, I.M., kand. tekhn.  
nauk, dots.; KOCHUGOV, P.I., kand. tekhn. nauk, dots.;  
MALYSHEV, G.N., kand. tekhn. nauk, prof.; KHLEENIKOV, M.S.,  
kand. tekhn. nauk, retsenzent; PISAREV, N.G., kand. tekhn.  
nauk, dots., retsenzent; ODING, G.A., kand. tekhn. nauk,  
dots., retsenzent; KURENKOV, I.I., kand. tekhn. nauk,  
retsenzent; PROKOF'YEVA, Ye.I., inzh., retsenzent; YAKOVLEV,  
D.A., inzh., retsenzent; SERGEYEVA, I.N., red.

[Design of technological processes for the manufacture of  
billets and parts for the rolling stock of railroads;  
methodological manual on the technological aspects of di-  
ploma projects prepared in institutions of higher learning  
of railroad transportation] Proektirovanie tekhnologicheskikh  
protsessov proizvodstva zagotovok i detalei podvizhnogo so-  
stava zheleznykh dorog; uchebno-metodicheskoe posobie po tekhn-  
nologicheskoi chasti diplomnogo proektirovaniia v vuzakh zhe-  
leznodorozhnogo transporta. Moskva, Vses. zaachnyi in-t in-  
zhenerov zhel-dor. transporta. Pt.1. 1964. 202 p.

(MIRA 18:3)

BABITSKIY, B.L.; VINITSKIY, L.Ye.; DROZDOVSKIY, V.F.; DYUBKO, L.D.; KAPLUNOV, Ya.N.; MELENT'YEVA, Z.G.; SHOKHIN, I.A.; Prinimali uchastiye:  
ZHIL'TSOVA, A.A.; LEVIT, R.G.; YAKOVLEV, D.A.

Effect of filling reclaimed rubber on the dielectrical properties of the reclaimed product. Kauch. i rez. 24 no.5:22-25 My '65.

(MIRA 18:9)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut zheleznodorozhnogo transporta i Nauchno-issledovatel'skiy institut shinnoy promyshlennosti.



YAKOVLEV, D.D.

Production of pure staple suiting. Tekst.prom. 19 no.1:38-41  
Ja '59. (MIRA 12:1)

(Textile fabrics)

(Rayon)



YAKOVLEV, Dmitriy Filippovich; KUZNETSKIY, Gennadiy Ivanovic;  
BESHKIN, Grigoriy Mikhaylovich; FRENKEL', M.Z., nauchnyy  
red.; SHAKHOVA, L.I., red.; NESVYSLOVA, L.M., tekhn.red.

[Training of electricians for work on high-voltage power  
transmission lines and substations] Podgotovka elektro-  
monterov vysokovol'tnykh liniy peredachi i podstantsii.  
Moskva, Proftekhizdat, 1961. 90 p. (MIRA 15:10)  
(Electricians--Education and training)

YAKOVLEV, Dmitriy Georgiyevich; NUDEL'MAN, Ol'ga Emmanuilovna;  
KOMAROV, V.F., kand. tekhn. nauk, retsenzent; BALANDIN,  
A.F., red.izd-va; SOKOLOVA, T.F., tekhn. red.

[Readjusted automatic lines of modernized multiple-purpose  
machine tools for the manufacture of taps] Perenalazhi-  
vaemye avtomaticheskie linii iz modernizirovannykh univer-  
sal'nykh stankov dlia izgotovleniia meshchikov. Moskva,  
Mashgiz, 1962. 226 p. (MIRA 15:3)  
(Assembly line methods) (Automation)

YAKOVLEV, D.G., inzh.

Some methods for protecting hot water pipes from corrosion.  
Elek. sta. 35 no. 4:34-36 Ap '64. (MIRA 17:7)

YAROVIEV, D.G., inzh.

Calculating the cathodic protection of heaters and accumulators  
of hot water. Vod. i san. tekhn. no.12:15-18 D 164  
(MIRA 18:2)

YANSHIN, A.I.; PETRUSHEVSKIY, B.A.; ALEKSANDROVA, M.I.; BORSUK, B.I.;  
VOLIN, A.V.; ZUBKOVSKAYA, I.M.; YAKOVLEV, D.I.; BER, A.G.;  
BOROVNIKOV, L.I.; BOYTSOVA, Ye.P.; ~~OVCHININ~~, N.K.; BESPALOV, V.F.;  
SHLYGIN, Ye.D.; SPERANSKIY, B.F.; KHAKHLOV, V.A.; RAGOZIN, L.A.;  
DITMAR, V.G.; GORSKIY, I.I., red.; KASSIN, N.G., red.; FOMICHEV,  
V.D., red.; DZHEVANSKIY, Yu.K., red.; CHIKHACHEV, P.K., red.;  
KOMISHAN, I.S., red.; DASHKOVA, A.D., red.; VODOLAGINA, S., tekhn.  
red.; VDOVINA, M.P., tekhn. red.

[Geological map of the U.S.S.R., scale 1:1,000,000] Geologicheskaya  
karta SSSR, mashtab 1:1,000,000. [Explanatory notes to accompany  
sheet] Ob"iasnitel'naya zapiska k listu. L-40 [Kzyl-Orda] (Kzyl-Orda).  
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M-44 [Novosibirsk] (Novosibirsk) 1948. 33 p. O-45  
[Tomsk] (Tomsk). 1949. 26 p. O-49 [Kirensk] (Kirensk). 1947.  
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1. Russia (1923- U.S.S.R.) Ministerstvo geologii.  
(Geology--Maps)

BATISHCHEV-TARASOV, Stepan Dmitriyevich; YAKOVLEV, D.I., prof., doktor  
geologo-mineralog.nauk, nauchnyy red.; RZHEVUSKAYA, D.M., red.;  
ATROSHCHENKO, L.Ye., tekhn.red.

[Greater Turgay; useful minerals of the Turgay depression and  
prospects for their use in industry] Bol'shoi Turgai; poleznye  
iskopaemye Turgaiskogo proгиба i perspektivy ikh promyshlennogo  
ispol'zovaniia. Moskva, Izd-vo "Znanie," 1959. 31 p. (Vse-  
soiuznoe obshchestvo po rasprostraneniuiu politicheskikh i  
nauchnykh znanii. Ser. 9, no.16) (MIRA 12:8)

1. Chlen-korrespondent Akademii nauk Kazakhskoy SSR. (for Batishchev-  
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(Turgay Gates--Mines and mineral resources)

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ZO																										ZP																									
ZQ																										ZR																									
ZS																										ZT																									
ZU																										ZV																									
ZW																										ZX																									
ZY																										ZZ																									

CO

Humic acids in coals. D. I. YAKOVLEV. *J. Applied Chem. (U. S. S. R.)* 4, 817-41(1931).--The present belief that lignites differ from bituminous coals by the presence of humic acids requires further proof.

V. KALICHVSKY

21

ASSOCIATED METALLURGICAL LITERATURE CLASSIFICATION



21

Coal from Chermkovo. D. I. YAKOVLEV, *J. Applied Chem. (U.S.S.R.)* 5, 1724 (1932).—Exptl. work showed that the coals are of bituminous type, though in certain districts they resemble lignite. A complete description of deposits and their characteristics is given.

ASD-5LA METALLURGICAL LITERATURE CLASSIFICATION

YAKOVLEV, D.		PROCESSING AND PROPERTIES INDEX	
<p>The cause of the spontaneous ignition of the Prokop'evsk coal deposits. D. Yakovlev. <i>Ugol' Vostoka (Eastern Coal)</i> 4, No. 11-12, 31-3 (1934). The spontaneous ignition of the Prokop'evsk coal is explained by the nature and the thickness of its layers. Previous lab. investigations indicated that this coal was not spontaneously ignitable because the samples were taken from thin layers. From new lab. expts. in insulated boxes it is concluded that owing to low heat cond. of the coal, thick deposits are more liable to spontaneous ignition than thin layers. The app. is described.</p>		<p>24</p>	
<p>ASAC-SLA METALLURGICAL LITERATURE CLASSIFICATION</p>			
<p>SEARCHED INDEXED SERIALIZED FILED</p>			
<p>SEP 1934</p>			

PROCEDURES AND PROPERTIES INDEX																									
1ST AND 2ND ORDERS													3RD AND 4TH ORDERS												
<p>Causes of variations in the analytical results of ash determination in coals. D. I. Yakovlev. <i>Ugol' Vostochnykh (Eastern Coal) S. No. 1, 25(1957)</i>. Higher values for the ash in various coals obtained when a cast-iron disintegrator was used were due to the contamination of the coal with the metal. It is recommended to use porcelain, special steel or agate grinders. A. A. Bochtlingk</p>																									
<p>ASAC SLA - METALLURGICAL LITERATURE CLASSIFICATION</p>																									

cr

71

The spontaneous ignition of Prokopyev coal. D. I. Yakovlev. J. Applied Chem. (U. S. S. R.) 9, 488-490 (1956); cf. C. A. 29, 6756p. H. M. L. (in English 484) (1956)

ASH-SLA METALLURGICAL LITERATURE CLASSIFICATION

cr

71

The humic acids of Cheremkhov coal. D. I. Yakovlev, ~~—~~  
*J. Appl. Chem.* (U. S. S. R.) 9, 485-9 (in English,  
489) (1930).—These acids differ from those obtained from  
peat and brown coal. They are more stable toward heat,  
and this stability increases with the depth of the bed.  
H. M. Leicester

ASB-56A DETALLURGICAL LITERATURE CLASSIFICATION

YAKOVLEV, D.I.

[Chemical laboratories for coal analysis] Uglekhimicheskie laboratorii.  
Moskva, Ugletekhnizdat, 1953. 277 p. (MLRA 7:6)  
(Coal--Analysis)

YAKOVLEV, D. I.

YAKOVLEV, D.I., inzhener.

Ways of improving the work of chemical laboratories of coal trusts  
and mines. Nauch.rab. VUGI no.9:147-162 '53. (MLRA 7:7)

- (1954 - Union of Chem. Res., Coal Eng.)*
1. Khimiko-analiticheskaya laboratoriya.  
(Coal--Analysis) (Chemical engineering laboratories)





YAKOVLEV, D.I.

Water supply conditions of virgin and idle lands in Northern  
Kazakhstan. Biul.MOIP. Otd.geol.30 no.4:115-117 J1-Ag'55.  
(Kazakhstan--Water supply) (MLRA 8:12)

YAKOVLEV, D.I.

New stockpile shapes preventing coal and shale from spontaneous  
ignition. Ugol' 32 no.6:39-40 Je '57. (MLA 10:7)

(Coal mines and mining--Safety measures)

(Combustion, Spontaneous)

YAKOVLEV, Dmitriy Ignat'yevich; GARBEN, T.N., otvetstvennyy red.;  
NADEINSKAYA, A.A., tekhn.red.; SABITOV, A., tekhn.red.

[Chemical laboratories for coal analysis] Uglekhimicheskie labora-  
torii. Izd. 2-oe, perer. i dop. Moskva, Ugletekhizdat, 1957. 375 p.  
(Coal analysis) (MIRA 11:2)  
(Chemical engineering laboratories)

YAKOVLEV, D.V.

OSIPOV, Sergey Ivanovich, inzh.; MIRONOV, Konstantin Aleksandrovich, inzh.;  
ROMADINA, Irina Vladimirovna, vrach; YAKOVLEV, D.V., inzh., red.;  
BOBROVA, Ye.N., tekhn.red.

[Safety engineering manual for electric railroad crews] Pamiatka  
po tekhnike bezopasnosti lokomotivnym brigadam elektropodvizhnogo  
sostava. Moskva, Gos. transp. zhel-dor. izd-vo, 1958. 139 p.

(MIRA 11:12)

(Electric railroads--Safety measures)

PETROV, Mikhail Petrovich; GERASEYEV, Aleksandr Yevdokimovich; KAZACHKIN, Valentin Ivanovich; YEZERSKIY, Vyacheslav Fedorovich; DASHKEVICH, Aleksandr Bronislavovich; YAKOVLEV, D.V., inzh., red.; BOBROVA, Ye.N., tekhn.red.

[Locating and eliminating faults in the N8 electric locomotives]  
Obnaruzhenie i ustranenie neispravnostei na elektrovoze N8.  
Moskva, Gos.transp.zhel.dor.izd-vo, 1959. 170 p.

(MIRA 13:7)

(Electric locomotives)

GOLYNCHIK, Leonid Stepanovich; DMITRIYEV, Stepan Ivanovich; IUNENKOV, . . .  
Vladimir Leonidovich; LUPKIN, Dmitriy Mikhaylovich; YAKOVLEV, .  
D.V., inzh., red.; BOBROVA, Ye.M., tekhn.red.

[Operation and repair of electric machinery on electric rolling -  
stock] Eksploatatsiya i remont elektricheskikh mashin elektro-  
pervizhnogo sostava. Moskva, Gos.transp.zhel-dor.izd-vo, 1959.  
223 p. (MIRA 12:6)

(Electric locomotives) (Electric machinery)



VITEVSKIY, Ivan Vasil'yevich; CHERNYAVSKIY, Simon Nisconovich; YAKOVLEV,  
D.V., inzh., red.; KHITROV, P.A., tekhn.red.

[Design and repair of direct current electric locomotives]  
Ustroistvo i remont elektrovozov postoiannogo toka. Moskva,  
Gos.transp.zhel-dor.izd-vo, 1959. 494 p. (MIRA 12:12)  
(Electric locomotives)

305-59-2-23/25

B(6)

AUTHORS:

TITLE:

Yakovlev, D. V., Kofman, D. B.

V. K. Kalinin, N. M. Mikhaylov. Electric RR Rolling Stock  
(V. K. Kalinin, N. M. Mikhaylov. Elektropodvizhnoy sostav  
zheleznikh dorog)

PERIODICAL:

ABSTRACT:

Elektrichestvo, 1959, Nr 2, pp 94-95 (USSR)  
Textbook for Railroad Traffic Engineering, 724 pages, price:  
roubles 25.30, published by Transzheldorizdat, 1957.  
This is a textbook on electric vehicles for main railroad lines.  
It represents the first attempt of generalization of the  
very extensive data on electric locomotives, electrounits  
and subway-coaches. The main types of electrical locomotives  
built and taken into service in the USSR and the most promis-  
ing types of a.c. vehicles of foreign production are described.  
The book comprises the following chapters: mechanical part  
of vehicles, d.c. machines, electrical apparatus and batterie  
circuit diagrams of d.c. vehicles, electrical equipment and  
circuit diagrams of single-phase vehicles of industrial  
frequency. The domestic electric locomotive for alternating  
current, series NO is described in detail. For the first ti  
also a detailed description of the single assemblies of the

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Card 1/2

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344/105-59-2-23/25

8(6)

AUTHORS:

Yakovlev, D. V., Kofman, D. B.

TITLE:

V. K. Kalinin, N. M. Mikhaylov. Electric RR Rolling Stock  
(V. K. Kalinin, N. M. Mikhaylov. Elektropodvizhnoy sostav  
zheleznikh dorog)

PERIODICAL: Elektrichestvo, 1959, Nr 2, pp 94-95 (USSR)

ABSTRACT:

Textbook for Railroad Traffic Engineering, 724 pages, price: roubles 25.30, published by Transzheldorizdat, 1957. This is a textbook on electric vehicles for main railroad lines. It represents the first attempt of generalization of the very extensive data on electric locomotives, electrounits and subway-coaches. The main types of electrical locomotives built and taken into service in the USSR and the most promising types of a.c. vehicles of foreign production are described. The book comprises the following chapters: mechanical part of vehicles, d.c. machines, electrical apparatus and batteries, circuit diagrams of d.c. vehicles, electrical equipment and circuit diagrams of single-phase vehicles of industrial frequency. The domestic electric locomotive for alternating current, series NO is described in detail. For the first time also a detailed description of the single assemblies of the

Card 1/2

SOV/105-59-2-23/25  
V. K. Kalinin, N. M. Mikhaylov. Electric Railroad Vehicles

electric locomotive ChS 1 and a few data of the electric locomotive N 60 are set forth. Finally it is pointed towards some errors in the book.

ASSOCIATION: Moskovskiy tekhnikum zheleznodorozhnogo transporta im. Dzerzhinskogo  
(Moscow Polytechnic Institute for Railroad Traffic imeni Dzerzhinskiy)

Card 2/2

KOCHURAYEV, Lev Dmitriyevich; YAKOVLEV, D.V., inzh., red.; KHITROV, A.P.,  
tekhn.red.

[Group contactors for d.c. electric locomotives] Gruppovye kon-  
taktory elektrovozov postoiannogo toka. Moskva, Vses.izdatel'sko-  
poligr.ob"edinenie M-va putei soobshcheniia, 1960. 25 p.

(MIRA 13:6)

(Electric locomotives)

(Electric contactors)

PODOL'SKIY, Leonid Romanovich; PAPCHENKO, Nikolay Ivanovich; SLAVIN,  
Il'ya L'vovich; YAKOVLEV, D.V., inzh., red.; KHITROV, P.A.,  
tekhn.red.

[Electric networks of the VL23 electric locomotive] Elektri-  
cheskie skhemy elektrovoza VL23. Moskva, Vses.izdatel'sko-poligr.  
ob'edinenie M-va putei soobshchenia, 1960. 147 p.  
(Electric locomotives) (MIRA 13:11)

YAKOVLEV, D.V., inzh., red.; KHITROV, P.A., tekhn.red.

[VL23 electric locomotive without regeneration; information manual] Elektrovoz VL23 bez rekuperatsii; instruktsionnaya kniga. Moskva, Vses.izdatel'sko-poligr.ob'edinenie M-va puti soobshchenia, 1960. 228 p. (MIRA 13:5)

1. Novocherkassiy elektrovostroitel'nyy zavod.  
(Electric locomotives)



YAKOVLEV, D.V., inzh., red.; KHITROV, P.A., tekhn.red.

[Handbook on the N8 electric locomotive] Elektrovoz N8;  
instruktsionnaya kniga. Moskva, Vses.izdatel'sko-poligr.  
ob"edinenie M-va putei soobshchenia, 1960. 246 p.

(MIRA 13:9)

1. Novocherkasskiy elektrovozostroitel'nyy zavod, Novocherkassk.  
(Electric locomotives--Handbooks, manuals, etc.)

GUTKIN, Lev Vladimirovich; NIKANOROV, Viktor Aleksandrovich; KOFMAN,  
David Borisovich; YAKOVLEV, D.V., inzh., red.; BOBROVA, Ye.N.,  
tekhn.red.

[Repair of electric trains; electrical section] Remont elektro-  
podvizhnogo sostava; elektricheskaya chast'. Moskva, Vses.  
izdatel'sko-poligr.ob"edinenie M-va puti soobshcheniya, 1960.  
(MIRA 13:11)  
331 p.

(Electric locomotives--Maintenance and repair)

KIRBYAT'YEV, Lev Nikolayevich; YAKOVLEV, D.V., inzh., red.; MEDVEDEVA,  
M.A., tekhn. red.

[Reversers and switchgears of electric locomotives] Reversory i  
perekliuchateli elektrovozov. Moskva, Vses. izdatel'sko-poligr.  
ob"edinenie M-va putei soobshchenia, 1961. 27 p.

(MIRA 14:8)

(Electric locomotives—Electric equipment)

DYMAN, Zinoviy L'vovich; RUSETSKIY, A.A., inzh., retsenzent; YAKOVLEV,  
D.V., inzh., red.; MEDVEDEVA, M.A., tekhn. red.

[Individual contactors on d.c. powered electric locomotives]  
Individual'nye kontaktory elektrovovozov postoiannogo toka. Mo-  
skva, Vses. izdatel'sko-poligr. ob"edinenie M-va putei soobshche-  
niia, 1961. 35 p. (MIRA 14:8)  
(Electric locomotives)

VISIN, Nikolay Grigor'yevich; SKLIYAROV, Yu.N., inzh., retsenzent; YAKOVLEV,  
D.V., inzh., red.; KHITROVA, N.A., tekhn. red.

[Synchronous starting of  $S^r$  and  $S_3^r$  electric sections; practice of  
the workers of the Bezmyanka repair shop of the Kuybyshev Rail-  
road] Sinkhronnyi pusk elektrosekttsii  $S^r$  i  $S_3^r$ ; opyt raboty kol-  
lektiva elektrodepo Bezmyanka Kuibyshevskoi dorogi. Moskva, Vses.  
izdatel'sko-poligr. ob'edinenie M-va putei soobshchenia, 1961.  
42 p. (MIRA 14:7)

(Railroad motorcars) (Bezmyanka--Railroads--Repair shops)

TUSHKANOV, Boris Andreyevich; BOVE, Ye.G., kand. tekhn. nauk, retsenzent;  
YAKOVLEV, D.V., inzh., red.; KHITROV, P.A., tekhn. red.

[Electric networks of the N8 electric locomotive] Elektricheskie  
skhemy elektrovozov N8. Moskva, Vses izdatel'sko-poligr. ob"edine-  
nie M-va putei soobshchenia, 1961. 65 p. (MIRA 14:10)  
(Electric locomotives)

SEMENOV, Gennadiy Alekseyevich, inzh.; YERSHOV, Yevgeniy Fedorovich,  
inzh.; KOZLOV, Vitaliy Ivanovich, mashinist; NIKITIN, Geniy  
Nikolayevich, inzh.; KRYLOV, S.S., inzh., retsenzent;  
YAKOVLEV, D.V., inzh., red.; OSIPOV, S.I., inzh., red.;  
VOROTNIKOVA, L.F., tekhn. red.

[Detecting and eliminating defects in the electric circuits  
of a.c. electric locomotives] Obnaruzhenie i ustranenie neis-  
pravnostei v elektricheskikh tsepiakh elektrovozov peremennogo  
toka [By] G.A.Semenov i dr. Moskva, Vses. izdatel'sko-poligr.  
ob"edinenie M-va putei soobshchenia, 1961. 127 p.

(MIRA 15:3)

(Electric locomotives--Maintenance and repair)

PODOL'SKIY, Leonid Romanovich; PAPCHENKO, Nikolay Ivanovich; SLAVIN, Il'ya L'vovich; KAZACHKIN, V.I., inzh., retsenzent; YAKOVLEV, D.V., inzh., retsenzent; BOBROVA, Ye.N., tekhn. red.

[Detecting and eliminating defects in the VL23 electric locomotive]  
Obnaruzhenie i ustranenie neispravnostei elektrovoza VL23. Moskva,  
Vses. izdatel'sko-poligr. ob"edinenie M-va putei soobshchenia,  
1961. 143 p. (MIRA 14:10)

(Electric locomotives--Maintenance and repair)



YAKOVLEV, D.V., inzh., red.; MEDVEDEVA, M.A., tekhn. red.

[N60 electric locomotive; book of instructions] Elektrovoz N60; instruktsionnaya kniga. Moskva, Vses.izdatel'sko-poligr.ob"edinenie  
M-va putei soobshcheniya, 1961. 221 p. (MIRA 14:12)

1. Novocherkasskiy elektrovostroitel'nyy zavod.  
(Electric locomotives)

YAKOVLEV, D.V., inzh., red.; BOBROVA, Ye.N., tekhn. red.

[VL22<sup>m</sup> electric locomotive; manual] Elektrovoz VL22<sup>m</sup>; instruktsion-  
naya kniga. Moskva, Vses. izdatel'sko-poligr. ob"edinenie M-va  
putei soobshcheniia, 1961. 239 p. (MIRA 14:8)

1. Russia (1923- U.S.S.R.) Glavnoye upravleniye lokomotivnogo kho-  
zyaystva.

(Electric locomotives)

MARCHENKO, Yuriy Valentinovich; NIKITIN, Goni Nikolayovich;  
BYSTRITSKIY, Kh.Ya., inzh., retsenzent; YAKOVLEV, D.V., inzh.,  
red.; RAKOV, V.A., inzh., red.; USENKO, L.A., tekhn. red.

[Maintenance and operation of electric a.c. locomotives] Ob-  
sluzhivanie i ekspluatatsiia elektrovozov peremennogo toka.  
Moskva, Vses.izdatel'sko-poligr. ob"edinenie M-va putei soob-  
shchenia, 1961. 234 p. (MIRA 15:2)  
(Electric locomotives)

YAKOVLEV, Dmitriy Vasil'yevich; RAKOV, V.A., inzh., retsenzont; LIDMAN,  
G.M., inzh., retsenzont; KHRAKOVSKIY, Ye.M., inzh., red.;  
MEDVEDEVA, M.A., tekhn. red.

[[Operation of d.c. electric locomotives and their maintenance]  
Upravlenie elektrovozami postoiannogo toka i obsluzhivanie ikh.  
Moskva, Vses.izdatel'sko-poligr. ob"edinenie M-va putei soobshche-  
niia, 1961. 269 p. (MIRA 14:12)  
(Electric locomotives)

DYMAN, Z.L.; MAZO, S.Ya.; IL'IN, I.P., inzh., retsenzent; YAKOVLEV,  
D.V., inzh., red.; VOROTNIKOVA, L.F., tekhn. red.

[Contactors and switches for d.c. electric trains] Kon-  
taktory i perekliuchateli elektropoezdov postoiannogo toka.  
Moskva, Transzheldorizdat, 1963. 151 p. (MIRA 17:2)

VOROZHEYKIN, Dmitriy Ivanovich, inzh.; LIBMAN, Grigoriy Markovich; LEVIN, Boris Mordukhovich; BEKHTEREV, Ivan Andreyevich; CHERNYSHEVICH, Fedor Ignat'yevich; BOVE, Ye.G., kand. tekhn. nauk, retsenzent; TISHCHENKO, A.I., inzh., retsenzent; YAKOVLEV, D.V., inzh., red.; BOBROVA, Ye.N., tekhn. red.

[Operation and maintenance of electric d.c. locomotives] Ekspluatatsiia i obsluzhivanie elektrovozov postoiannogo toka. Moskva, Vses. izdatel'sko-poligr. ob"edinenie M-va putei soobshchenia, 1961. 341 p. (MIRA 14:8)  
(Electric locomotives)

KHLEBNIKOV, V.N.; TUSHKANOV, B.A., inzh., retsenzent; YAKOVLEV,  
D.V., inzh., red.

[Electric locomotive designs; mechanical section] Kon-  
struktsii elektrovozov; mekhanicheskaya chast'. Mo-  
skva, Mashinostroenie, 1964. 302 p. (MIRA 17:12)

YAKOVLEV, D. Ya.

PHASE I  
BOOK

TREASURE ISLAND BIBLIOGRAPHICAL REPORT

Call No.: TR927.12

AID 260 - I

Author: YAKOVLEV, D. YA.

Full Title: APPLIED PHOTOGRAPHY

Transliterated Title: Prikladnaya fotografiya

Publishing Data

Originating Agency: None

Publishing House: State Publishing House for Cinematography

(GOSKINOIZDAT)

No. pp.: 76

No. of copies: 20,000

Tech. Ed.: None

Appraiser: None

Date: 1952

Editorial Staff

Editor: None

Editor-in-Chief: None

Text Data

Coverage:

This is a small popular booklet about photographic printing (reproduction) on metals, glass, china, enamel, textile fabrics and wood. The most common formulas for coating solutions as well as for developers are given. Basic principles of photoengraving are outlined.

This is a very popular presentation of the subject of photoengraving.

Purpose: This booklet might be intended for amateur photoengravers.

1/2



6.3000 (1024, 1035, 1141)  
6.4780

87009

S/051/61/010/001/010/017  
E201/E491

AUTHORS: Yakovlev, ~~Y~~<sup>Y</sup>E.A. and Gerasimov, F.M.

TITLE: An Experimental Study of the Spectral Distribution of  
the Intensity of Polarized Light Diffracted by a Grating

PERIODICAL: Optika i spektroskopiya, 1961, Vol.10, No.1, pp.104-112

TEXT: The authors studied the reflection of monochromatic  
( $\lambda = 0.4$  to  $1.7 \mu$ ) polarized light by diffraction gratings ruled  
on thin metal layers (line profiles were stepped). The reflection  
coefficients were measured, using apparatus shown schematically in  
Fig.1. A diffraction grating 7 was illuminated by a parallel  
beam of linearly polarized light from a grating monochromator 2  
(3 and 4 are, respectively, the exit slit of the monochromator  
and a lens). The diffracted light was focused by means of a  
lens 8 onto a photocell 9. The reflection coefficients were  
found as the ratios of the intensities of a beam diffracted by a  
grating and a beam reflected by a plane aluminized mirror 6  
placed in the beam instead of the diffraction grating. An  
incandescent lamp 1 was used as the source of light. A Rochon  
prism 5 was used to polarize the light. The photocurrent of  
Card 1/3

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E201/E491

An Experimental Study of the Spectral Distribution of the  
Intensity of Polarized Light Diffracted by a Grating

the cell 9 was measured with a mirror galvanometer 10. In all, 40 plane gratings, with 200, 300, 600 and 1200 lines/mm, were studied. The spectral distributions of the diffracted light (Fig.2, 3 and 5) were displaced relative to one another when (a) the electric vector of incident light was parallel to the grating lines and when (b) electric vector was normal to the grating lines. The distribution for case (a) was always displaced towards shorter wavelengths with respect to the distribution for case (b). The displacement was proportional to the wavelength and inversely proportional to the grating constant (Fig.4). The displacement produced a change in the polarization of the diffracted light (the apparatus used for measurements of polarization is shown in Fig.7 and the results are plotted against wavelength in Fig.6). Replica gratings made of polymethyl methacrylate or gelatine did not exhibit this displacement which was characteristic of metals

X

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E201/E491

An Experimental Study of the Spectral Distribution of the  
Intensity of Polarized Light Diffracted by a Grating

(Fig.8 and 9). There are 9 figures, 1 table and 4 references:  
1 Soviet and 3 non-Soviet (one of which is translated into Russian). X

SUBMITTEDo March 21, 1960

Card 3/3

YAKOVLEV, E.A.; GERASIMOV, F.M.

Apropos of C.A.Palmer's remarks. Opt.i spektr. 13 no.1:106 J1  
'62. (MIRA 15:7)  
(Spectrum analysis)

L 3153-66 EWT(1) IJP(c)  
ACCESSION NR: AP5016042

UR/0368/65/002/005/0402/0408  
535.428

AUTHORS: Yakovlev, E. A.; Gersimov, F. M.

TITLE: Effect of errors in the profile of diffraction grating lines  
on the distribution of intensity in polarized light

SOURCE: Zhurnal prikladnoy spektroskopii, v. 2, no. 5, 1965, 402-408

TOPIC TAGS: diffraction grating, spectral distribution, light polarization, light reflection

ABSTRACT: In view of lack of detailed published data on the subject, the authors investigated gratings with 600 lines/mm, whose surfaces displayed visible variations of the reflective properties. In addition, echelettes with 50 lines/mm were investigated, in which there were defects on the reflecting surfaces in which defects were artificially produced on the surfaces by means of cutting longitudinal grooves or steps. The reflection coefficients of 600 lines/mm gratings were measured with apparatus described earlier (Opt. 1 spektr.

Card 1/2

L 3153-66

ACCESSION NR: AP5016042

v. 10, 1, 104, 1961). The distribution of intensity over the echel-  
ettes was measured with an infrared spectrometer (IKS-12) equipped an  
autocollimation monochromator. The results show that various defects  
on the reflecting faces of the grooves affect primarily the components  
in which the electric vector oscillates perpendicular to the grooves,  
thus causing a decrease in the reflection coefficient at the maximum  
and a distortion of the intensity distribution curve, owing to the  
stronger manifestation of the Wood's anomalies. In gratings with  
particularly large dimensions and a large number of lines per milli-  
meter, these phenomena become more aggravated as a result of averag-  
ing of the reflecting properties over the entire grating surface,  
different sections of which differ slightly from one another not only  
in the shape of the groove faces, but also in the groove slopes and  
other defects. In view of the small dimensions, these defects can-  
not be investigated in sufficient detail. Orig. art. has: 2 figures.

ASSOCIATION: None

SUBMITTED: 04Jan65

ENCL: 00

SUB CODE: OP

NR REF SOV: 005

OTHER: 009

Card 2/2

L 11994-66 EWT(1) EJP(c) WW/GG

ACC NR: AP5022866

SOURCE CODE: UR/0051/65/019/003/0417/0424

AUTHOR: Yakovlev, E. A. 44,55

ORG: none

TITLE: Calculation of the distribution of intensities by a diffraction grating in polarized light 21, 44, 55

SOURCE: Optika i spektroskopiya, v. 19, no. 3, 1965, 417-424

TOPIC TAGS: diffraction grating, spectral distribution, light diffraction, light polarization

ABSTRACT: The distribution of intensities by echelettes (ramp-profiled gratings) with different parameters of the line profiles was calculated by the method of W. C. Meecham (J. Appl. Phys. v. 27, 361, 1956). The calculations were made for different orders of the spectrum and for two states of polarization (electric vector perpendicular and parallel to lines of the gratings). Typical values of the reflection coefficient, obtained with three orders of the spectrum taken into account, agree in general with the results derived by the formula for the scalar theory of diffraction, except that the half widths of the maxima for the parallel component tend to be somewhat smaller and those for the perpendicular component somewhat larger. The maximum of the coefficient of reflection is smaller for the parallel component than for the perpendicular component by approximately the same factor in all orders. The effects of imaginary orders on the calculated results and the limits of applicability of the

Card 1/2

UDC: 535.421

L 11994-66

ACC NR: AP5022866

method are examined. The calculated and experimental results were found to be in satisfactory agreement for gratings with an angle of the order of  $120^\circ$  between the faces of the rulings. The results indicate clearly that the representation of the field by a superposition of plane waves is inadequate for gratings with a ramp profile. This is particularly true when the electric vector is parallel to the grating lines. The limitations of the earlier methods are discussed in brief. Orig. art. has: 5 figures and 4 formulas.

SUB CODE: 20/ SUBM DATE: 16Jun64/ ORIG REF: 001/ OTH REF: 008

Card 2/2



L 32625-66 EWT(1) IJP(c) WW/GG  
 ACC NR: AP6015596 SOURCE CODE: UR/0368/66/004/005/0454/0455  
 AUTHOR: Yakovlev, E. A.; Gerasimov, F. M. 42  
 ORG: none B  
 TITLE: Investigation of integral reflectivity of a diffraction grating in polarized light  
 SOURCE: Zhurnal prikladnoy spektroskopii, v. 4, no. 5, 1966, 454-455  
 TOPIC TAGS: reflector diffraction grating, light reflection coefficient, LIGHT  
 POLARIZATION  
 ABSTRACT: This is a continuation of an earlier study of the distribution of energy in the spectrum of a diffraction grating (Opt. i spektr. v. 19, 417, 1965) where it was observed that the sum of the reflection coefficients in all orders of the spectra differs with the polarization. The present paper reports the results of an experimental check of the previous calculations. The experiment was made with two gratings of 600 lines/mm, cut on aluminum and having lines with step-like profiles. The faces of the steps were at an angle of  $\sim 120^\circ$ , and the face with the smaller slope made an angle of  $10^\circ$  or  $23^\circ$  in the two gratings, respectively. The apparatus used to measure the reflection coefficients, for near-normal incidence, was the same as described by the authors earlier (ZhPS v. 2, 402, 1965 and Opt. i spektr. v. 10, 104, 1961). The measurements were made in the  $\lambda/d$  (grating constant) range 0.35 - 1.8. The results show that for the parallel component the sum is close to 100% in both cases. In the case of the perpendicular component, the sum decreased sharply at wavelengths equal  
 Card 1/2 UDC: 535.421

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ACC NR: AP6015596

to the grating constant ( $\lambda/d$ ) or smaller than this constant by an integer. The total reflection coefficient of the gratings was also measured directly with a spectrophotometer with integrating sphere, so that scattered radiation could also be taken into account. The results were comparable, although they could not be identical because the latter method was limited to visible light. The behavior of the sum of the reflection coefficients, and also its dependence on the depth of the grating line, the wavelength, and the polarization, are similar to those observed for the intensity distribution in the region of the Wood anomaly, thus indicating a connection between the two. Orig. art. has: 1 figure.

SUB CODE: 20/ SUBM DATE: 05Jul65/ ORIG REF: 003/ OTH REF: 002

Card

2/2-20

ACC NR: AP7007061

SOURCE CODE: UR/0368/66/004/004/0339/0341

AUTHOR: Yakovlev, E. A.; Gerasimov, F. M.

ORG: none

TITLE: Nature of the polarizing action of a diffraction grating

SOURCE: Zhurnal prikladnoy spektroskopii, v. 4, no. 4, 1966, 339-341

TOPIC TAGS: light polarization, optics

SUB CODE: 20

ABSTRACT: It is shown that the polarizing properties of gratings depend upon the penetrating depth of differently polarized waves into the grooves. It is possible to lower the degree of polarization by appropriate variation of the grating profile. [Based on authors' English Abstract] Orig. art. has: 2 figures. [JPRS: 33,883]

Card 1/1

UDC: 535.421

ACC NR: AP7006035

SOURCE CODE: UR/0368/66/005/002/0257/0259

YAKOVLEV, E. A., GERASIMOV, F. M.

"Dependence of the Polarizing Action of Diffraction Gratings on the Line Profile Parameters"

Moscow, Zhurnal Prikladnoy Spektroskopii (Journal of Applied Spectroscopy), Vol 5, No 2, Aug 66, pp 257-259

Abstract: One of the basic peculiarities of the polarizing action of gratings with stepwise profile is the change in degree of polarization across the spectrum. This is caused by the relative shift in the distribution curves for the intensity of the two polarization states. Consequently, the authors experimentally investigated the effect of slanted groove sides on the distribution intensity of polarized light. Tests carried out on gratings with 50 lines/mm showed that the slanted sides affect mainly the intensity ratio of the maxima of the two polarizations, while their relative positions change only slightly. Consequently, the polarization of diffracted radiation cannot be substantially altered by changing the angle between the sides of the grooves. Orig. art. has: 1 figure, 1 formula, and 1 table. [JPRS: 38,491]

ORG: none

TOPIC TAGS: light polarization, light diffraction

SUB CODE: 20 / SUBM DATE: 05Jul65 / ORIG REF: 005 / OTH REF: 002

Card 1/1

UDC: 535.421

YAKOVLEV, F., podpolkovnik

Active fighters of the party. Komm. Vooruzh. Sil 4  
no.2:46-50 Ja '64. (MIRA 17:9)

YAKOVLEV, F., podpolkovnik

In the party organization of astronauts. Av. i kosm. 47 (ekstr. vyp.):  
41-47. O '64. (MIRA 18:3)

YAKOVLEV, F. inzhener.

The progressive practices of the Moscow Basin miners should be used in all other basins. Mast. ugl. 5 no.10:3-6 0 '56.

(Moscow Basin--Coal mines and mining) (MLRA 9:12)

SOV/92-59-1-6/36

14(5)

AUTHOR: Yakovlev, F., Instructor

TITLE: Communist Labor Crews (Brigady kommunisticheskogo truda)

PERIODICAL: Neftyanik, 1959, Nr 1, pp 8-9 (USSR)

ABSTRACT: The author states that at the meetings held in petroleum enterprises of the Tatar Republic in connection with N.S. Khrushchev's report to the Twenty First Congress of the Communist Party of USSR the drillers, assemblers, mechanics and other personnel of oilfields discussed and approved target figures proposed for the development of the Soviet national economy during the 1959 - 1965 period. The personnel of various enterprises, shops and organizations has pledged to fulfill the annual petroleum production plan ahead of time. Stimulated by socialist competition, the personnel working under the Bugul'menest' Administration was particularly successful in completing their program of work. As a result of strenuous efforts made by the personnel of various oilfields, the cost of construction work dropped and a considerable saving was realized. Certain drilling crews have pledged to overfulfill their assignment every month so as to join the ranks of the "communist labor crews". The author indicates these drilling crews and organizations belong to the Al'met'yevneftestroy and Tatburnest' trusts which have shown particular zeal and enthusiasm in accomplishing their job program ahead of time.

Card 1/2



Communist Labor Crews

SOV/92-59-1-6/36

He further indicates those which have undertaken an obligation to break drilling speed records, to save material and to acquire a second skill that will facilitate their work, and improve the organizational setup. A large number of oilfield crews struggle for the right to be called "the communist labor crew". At present the number of such communist labor crews is continuously growing in all enterprises of the Tatar Republic. It is therefore expected that a new peak in the field of oil production will be hit in the near future.

ASSOCIATION: Tatarskiy obkom profsoyuza rabochikh neftyanoy i khimicheskoy promyshlennosti (The Tatar Oblast Committee of the Trade Union of the Petroleum and Chemical Industry Workers)

Card 2/2

YAKOVLEV, F., podpolkovnik

We shouldn't tolerate complacency and conceit. ~~Komm.~~Vooruzh.  
Sil 2 no.10:39-44 My '62. (MIRA 15:5)  
(Russia--Army--Political activity)

YAKOVLEV, F.

Yakovlev, F. - "The development of animal husbandry in Leningrad Oblast", Propaganda i agitatsiya, 1949, No. 10 p. 60-63.

SO: U-4631, 16 Sept. 53, (Letopis 'Zhurnal 'nykh Statey, No. 24, 1949).

1. YAKOVLEV, F.
2. USSR (600)
4. Swine
7. Work practice of the "Vasileostrovskii" State Farm, Sov. torg.,  
No. 4, 1953.

9. Monthly List of Russian Accessions, Library of Congress, April, 1953, Uncl.

~~YAKOVLEV, F.A.~~

DOLGOBORODOV, Ivan Vasil'yevich, zasluzhennyy zootekhnik RSFSR; YAKOVLEV, Fedor Arsent'yevich; KAZANSKIY, M.M., redaktor; VOROB'YEV, F.I., redaktor; VODOLAGINA, S.D., tekhnicheskii redaktor

[Work practice of the Yelizavetino machine-tractor station in stockbreeding] Opyt raboty Elizavetinskoi MTS po zhivotnovodstvu. Moskva, Gos. izd-vo selkhoz. lit-ry, 1956. 98 p. (MLRA 9:9)

1. Glavnyy zootekhnik Leningradskogo oblastnogo upravleniya sel'skogo khozyaystva (for Yakovlev)  
(Leningrad Province--Stock and stockbreeding)

DOLGOBORODOV, I.V., zasluzhennyy zootekhnik RSFSR; ZIMINA, K.I.;  
PISKAREV, A.G.; YAKOVLEV, F.A.; BOLOGOV, G.N., red.; BARANOVA,  
L.G., tekhn.red.

[Brief manual on dairy cattle raising] Kratkii spravochnik po  
molochnomu zhivotnovodstvu. Leningrad, Gos.izd-vo sel'khoz.  
lit-ry, 1960. 295 p. (MIRA 14:2)  
(Dairy cattle)

**C A YAKOVLEV, F.G.**

**Eng. Akor. F.G. Yakovlev. U.S.S.R. 08,612, June 30,  
1947. M. II.**

YAKOVLEV, F.I., dotsent

A.P.Chekhov in the Moscow University Hospital Therapeutic Clinic:  
50th anniversary of his death. Terap.arkh. 26 no.4:3-6 J1-Ag 154.  
(CHEKHOV, ANTON PAVLOVICH, 1860-1904) (MLRA 7:11)



YAKOVLEV, F. I.

YAKOVLEV, F. I.: - "Methods of intra-school control of the lectures on school subjects".  
Moscow, 1955. Academy of Pedagogical Sciences RSFSR, Inst of the Theory and  
History of Pedagogy. (Dissertation for the Degree of Candidate of Pedagogic Sciences)

SO: Knizhnaya Letopis', No. 40, 1 Oct 55

YAKOVLEV, Fedor Ivanovich; KIRYUSHKIN, Dmitriy Maksimovich;  
VOROB'YEV, Gennadiy Vasil'yevich; KULIKOV, V.N., red.;  
POLUKARPOVA, Ye.K., tekhn. red.

[Laboratory practice for students] Laboratorno-prakticheskie raboty uchashchikhsia. Moskva, Izd-vo APN RSFSR, 1963.  
229 p. (MIRA 16:8)  
(Science--Problems, exercises, etc.)

YAKOVLEV, F.I., inzh.

Causes of the formation of cracks on the crankshaft journals during  
induction hardening. Trakt. i sel'khoz mash. 33 no.5:39-41 My  
'63. (MIRA 16:10)

1. Zavod "Serp i molot".

YAKOVLEV, F.I., inzh.

High-frequency current hardening of camshafts from cast iron with  
spheroidal graphite. Trakt. i sel'khoz mash. no.8:34-36 Ag '64.  
(MIRA 17:11)

1. Khar'kovskiy motorostroitel'nyy zavod "Serp i molot".

KARASHEV, A.V.; SOLOV'YEV, N.Ya.; YAKOVLEV, F.I.; ROMANOVSKIY, V.V.

Improvement of devices and equipment used in studying sediments  
of reservoirs. Trudy GGI no.111:122-130 '64. (MIRA 17:6)

YAKOVLEV, F.I.; MEL'NIKOV, I.P.

Correcting casting defects in the crankcase block of the SMD  
diesel. Lit.proizv. no.10:37-38 0 '64.

(MIRA 18:4)

YATCHENKO, S.V., kand. tekhn. nauk; ZAYTSEV, A.I., inzh.; YAKOVLEV, F.I.,  
inzh.; VAKHTEL', V.Yu., inzh.

Surface hardening of Al10V alloy by furnishing. Mashinostroenie  
no.3:38-40 My-Je '65. (MIRA 18:6)

YAKOVLEV, F.P.

The Trade Union Committee attracts workers to take part in the industrial administration. Neftianik 5 no.9:25 S '60.  
(MIRA 13:9)

1. Inspektor Tatarskogo obkoma profsoyuza rabochikh neftyanoy i khimicheskoy promyshlennosti.  
(Petroleum industry)



YAKOVLEV, F. S.

YAKOVLEV, F. S. "The anatomical structure of the trunk of the Karelian birch",  
Izvestiya Karelo-Fin. nauch.-issled. bazy Akad. nauk SSSR, 1949, No. 1, p. 3-10,-  
Bibliog: 3 items.

SO: U-4393, 19 August 53 , (Letopis 'Zhurnal 'nykh Statey', No. 22, 1949).

YAKOVLEV, F.S.

KOLPIKOV, M.V., doktor biologicheskikh nauk, otvetstvennyy redaktor;  
KOMSHILOV, N.F., kandidat tekhnicheskikh nauk, redaktor;  
YAKOVLEV, F.S., kandidat biologicheskikh nauk, redaktor;  
KISHCHENKO, T.I., kandidat sel'skokhozyaystvennykh nauk,  
redaktor; SHIPEROVICH, V.Ya., kandidat biologicheskikh  
nauk, redaktor; TVERITINOVA, K.S. tekhnicheskiiy redaktor.

[Collected articles on investigation results concerning  
forestry and lumbering in the taiga zone of the U.S.S.R.]  
Sbornik statei po rezul'tatam issledovaniy v oblasti lesnogo  
khoziaistva i lesnoi promyshlennosti v taishnoi zone SSSR.  
Moskva, 1957. 301 p. (MIRA 10:6)

1. Akademiya nauk SSSR. Karel'skiy filial. Petrozavodsk.  
(Forests and forestry)

YAKOVLEV, F. S.

• USSR / Forestry. Biology and Typology of the Forest. K-1

• Abs Jour: Ref Zhur-Biol., No 6, 1958, 24856.

Author : Yakovlev, F. C.

Inst : Not given.

Title : Some Results and Problems of Studies of the Forests of the Karelian ASSR.

Orig Pub: Sb. statei po rezultatami issled. v obl. lesn. khoz-va i lesn. prom-sti v taezhn. zone SSR. M. - L., AN SSR, 1957, 29-35.

Abstract: The general condition of scientific investigations is briefly described. As a result of the study, general notions of the types of forests of Karelia are given. The division of the forests of the Western regions is into two sub-zones - the middle and the northern. The latter is divided into two zones - the northern and the southern. The southern one

Card 1/2

14

USSR / Forestry, Biology and Typology of the Forest. K-1

Abs Jour: Ref Zhur-Biol., No 6, 1958, 24856.

Abstract: is notable for the predominance of pine forests. The types of forests fall into 3 economic categories: the types with forest of industrial significance, the types with protective and water-protective significance, and types with the transformation of territory in agricultural lands.

Card 2/2

YAKOVLEV, F.S.; VORONOVA, V.S.; VILIKAYNEN, M.I., kand. biol. nauk, nacunyy  
red.; PANKRASHOV, A.P., red.; POD"EL'SKAYA, K.M., tekhn. red.

[Forest types in Karelia and their natural zoning] Tipy lesov  
Karelii i ikh prirodnoe raionirovanie. Petrozavodsk, Gos. izd-  
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(Karelia--Forests and forestry)

YAKOVLEV, G.

In the Astrakhan aeroclub. Kryn.rod. 3 no.8:8 Ag '52. (MIRA 8:8)  
(Astrakhan--Aeronautics--Societies)

YAKOVLEV, G. (g. Tambov)

Aeroclub and primary organizations. Kryn.rod. 3 no.12:11 D '52.  
(Tambov—Military education) (MIRA 8:8)

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YAKOVLEV, G.B., polkovnik meditsinskoy sluzhby deceased

First instructions for field surgeons in Russia. Voen.-med.zhur.  
no.9:91-92 S '51. (MLRA 9:9)

(MEDICINE, MILITARY--HISTORY)



YAKOVLEV, G.B.

Characteristics of lead traces on the western slope of the Southern  
Urals. Mat. po geol. i pol.iskop. IUzh.Urals no.1:64-70 '56.

(MLRA 10:3)

(Ural Mountains--Lead ores)

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of dams in mountain rivers. Sbor. nauch. trud. po lesospl. no.2:  
159-170 '57. (MIRA 11:7)  
(Hydraulic engineering) (Lumber--Transportation)

TAKOVLEV, G.  
YAKOVLEV, G.

Means of increasing grain production in Panfilovskoye District.  
Sel'khoz. Kirg. 3 no.10:42-46 0 '57. (MLRA 10:11)  
(Panfilovskoye District--Grain)

YAKOVLEV, G., inzhener.

Modernizing boilers. Prom. koop. no.1:24-25 Ja '56. (MLRA 9:6)  
(Boilers)

1. YAKOVLEV, G. A.
  2. USSR (600)
  4. Marking Devices
  7. Universal graduating pattern. Stan i instr No. 1, 1953
9. Monthly List of Russian Accessions, Library of Congress, \_\_\_\_\_ April \_\_\_\_\_ 1953, Uncl.

YAKOVLEV, G.A.

Aerolonotherapy as effective therapeutic and preventive measure;  
preliminary communication. Sovet. med. 17 no.5:42-43 May 1953. (GLML 24:5)

1. Head Physician of the Central Union Sanatorium at Kislovodsk.

YAKOVLEV, G.A.

Using models for designing in the Gyroorkhim institute.

Khim. prom. no.9:7-11 S '61.

(MIRA 15:1)

(Chemical plants--Models)

YAKOVLEV, G.A. (Stalino)

Therapeutic and preventive care of workers in a metallurgical plant.  
Sov. zdrav. 19 no.9:32-37 '60. (MIRA 13:11)

1. Iz Mediko-sanitarnoy chasti zavoda imeni I.V.Stalina (glavnyy  
vrach A.I.Solomakha), Stalino.  
(STALINO...MEDICINE, INDUSTRIAL)